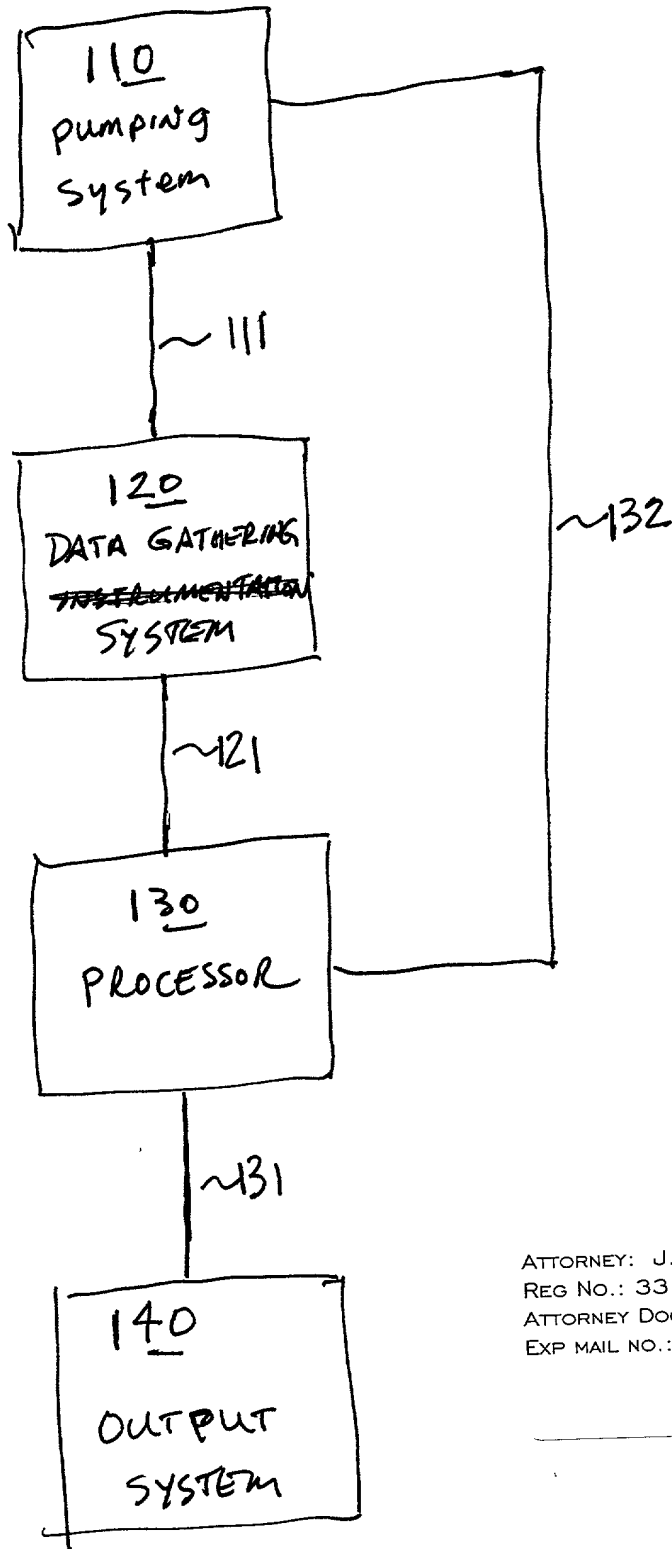


FIG. 1

100
↓



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SHEET 1/6

SHEET 2/5

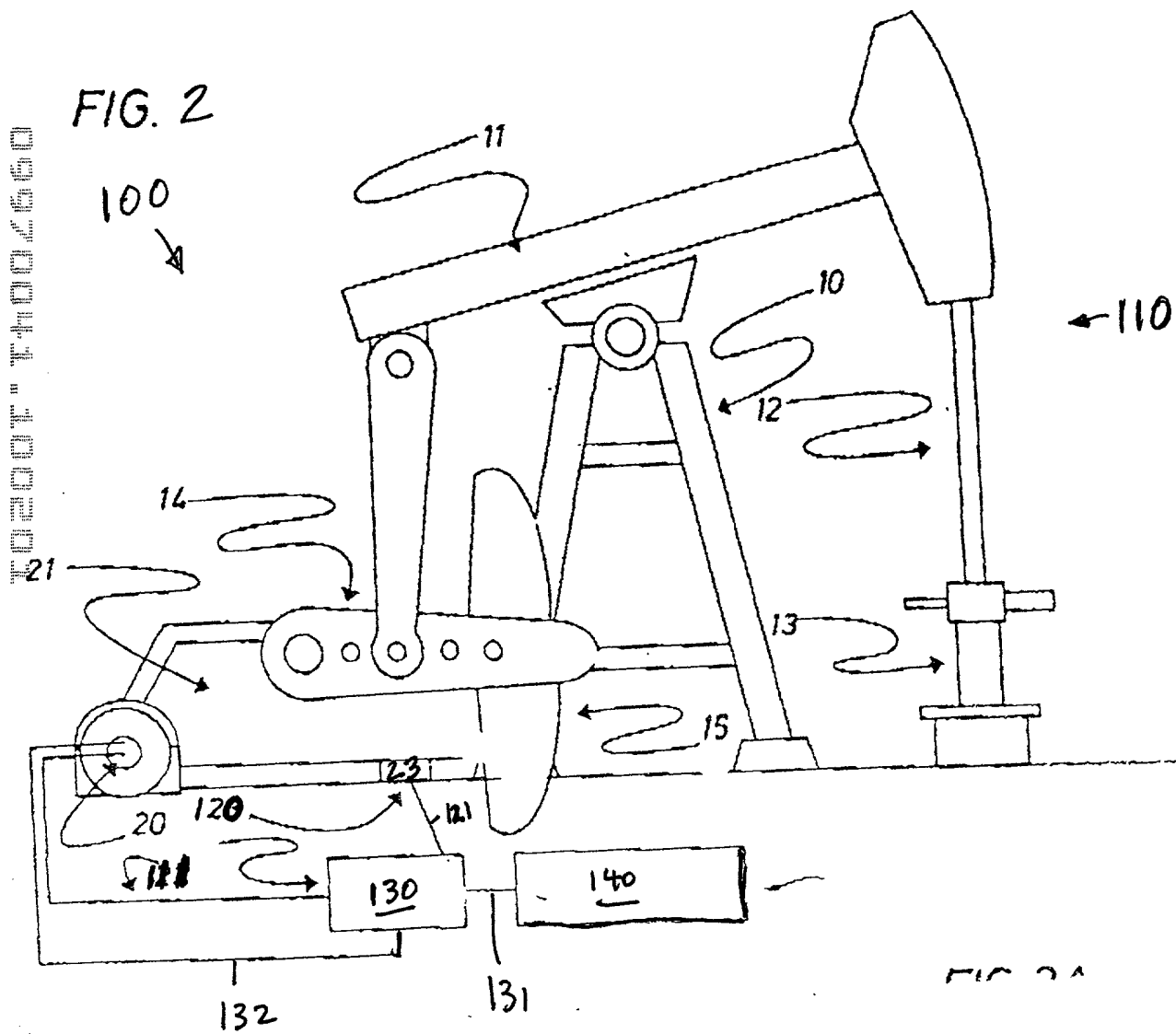
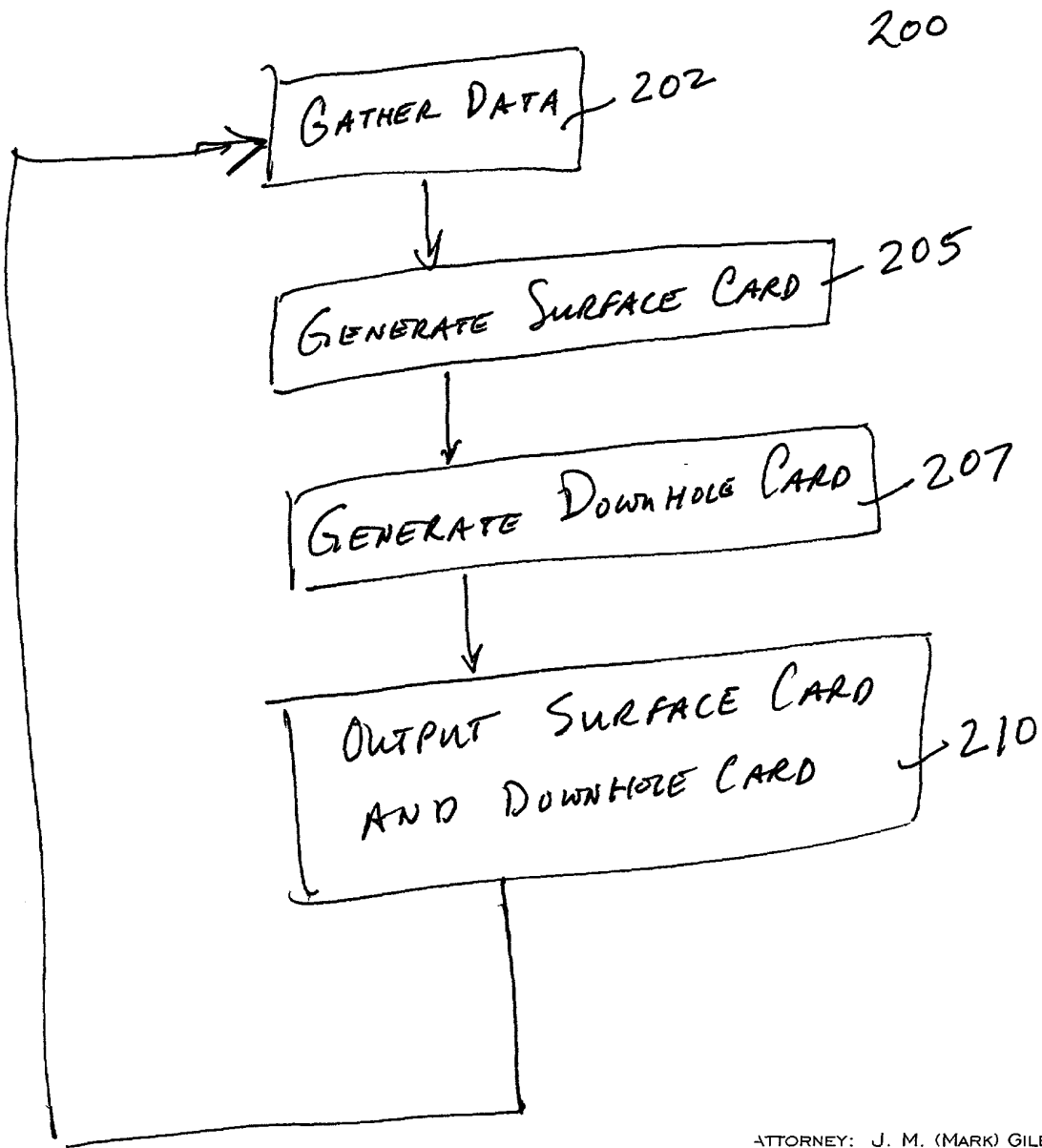


FIG. 3



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SHEET 3/6

FIG. 3

FOI b7D b7C b7E

FIG. 4

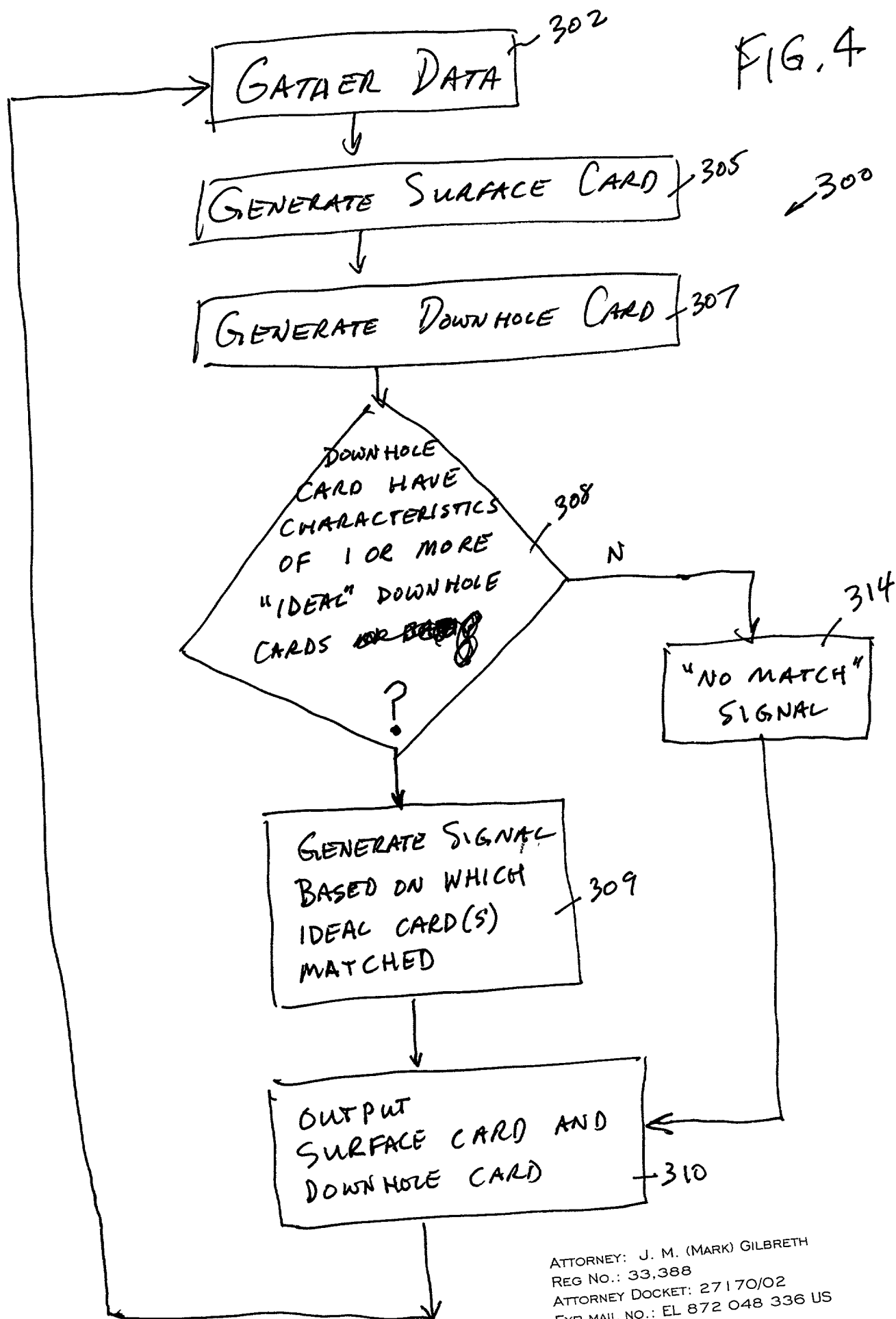
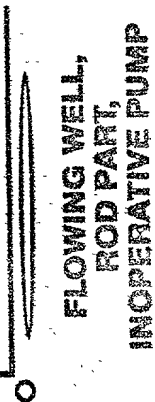


FIG. 5A



FULL PUMP

FIG. 5E



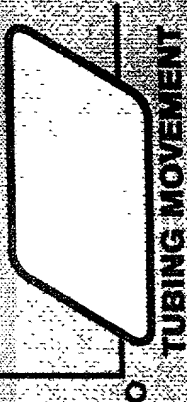
FLOWING WELL,
ROD PART,
INOPERATIVE PUMP

FIG. 5I



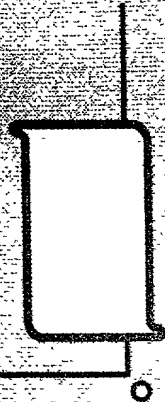
WORN
STANDING VALVE

FIG. 5B



TUBING MOVEMENT

FIG. 5F



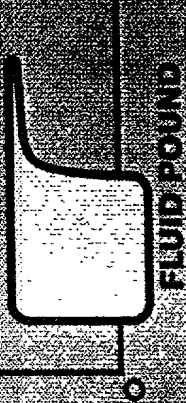
PUMP HITTING
UP OR DOWN

FIG. 5J



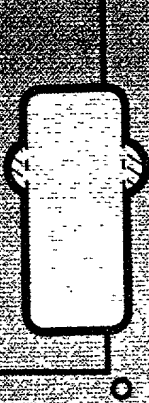
WORN OR
SPLIT BARREL

FIG. 5C



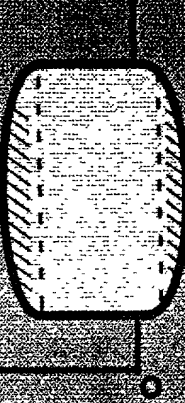
FLUID POUND

FIG. 5G



BENT BARREL OR
STICKING PUMP

FIG. 5K



FLUID FRICTION

FIG. 5D



GAS INTERFERENCE

FIG. 5H



WORN PLUNGER OR
TRAVELING VALVE

FIG. 5L



DRAG FRICTION

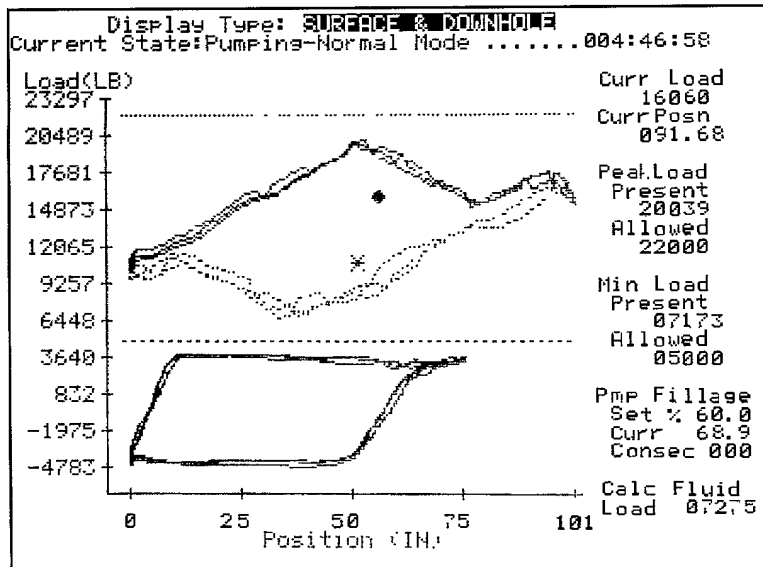


FIG. 6

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SHEET 5/6

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